

## PATENT ABSTRACTS OF JAPAN

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(21) Application number : 01-133864 (71) Applicant : SUZUKI MOTOR CORP  
 (22) Date of filing : 26.05.1989 (72) Inventor : SUGIMOTO TSUGUO

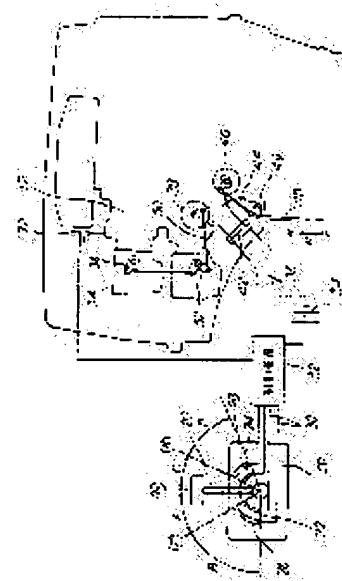
## (54) REMOTE-CONTROL DEVICE FOR OUTBOARD MOTOR

## (57) Abstract:

PURPOSE: Tounnecessitate a push-pull cable for connecting a remote-control box to an outboard motor by controlling each driving motor for driving a clutch link and a throttle link by a control device connected to the remote-control box by a signal line.

CONSTITUTION: The rotation of a remote-control lever 20 is detected by clutch switches 22, 24 and throttle adjustors 26, 28, and detection signals are transmitted to a control device 32.

Simultaneously, the control device 32 adjusts the power from the power source 34 on the basis of the detection signals and transmits this adjusted power to a clutch motor 40 or a throttle motor 38 to rotate a clutch link 46 or a throttle link 52. A remote-control box provided with the remote-control lever is thereby connected to the engine 12 of an outboard motor provided with the control device 32 by signal lines 30. An existing push-pull cable of large rigidity for connecting the remote-control box to the engine 12 therefore becomes unnecessary, and thus its disposition space becomes unnecessary.



## LEGAL STATUS

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